

Amendments to the Claims

Claims 1-5 (Cancelled).

Claim 6 (New): An aluminum alloy coating process for cast iron and steel products, consisting of:
preparing to product surface by jet-abrasion; and then
plunging the prepared product into an aluminum melt having a temperature of 660 – 680°C and alloyed with zinc, silicon, magnesium and tin having mass percentages of:
zinc 7.0-10.0
silicon 3.0-5.0
magnesium 0.5-1.5
tin 0.2-0.5,
so as to coat the product with the alloy without the use of flux; and
the coated product being capable of winding on a 10 mm mandrel without breaking the alloy coating.